compd#	MOLSTRUCTURE
1	
2	H _C C
3	
4	
5	HC COS HYMI
6	HAN
7	H'N CH SHOW THE WAY

FIGURE 1A

Compd #	MOLSTRUCTURE
8	HN 64 64 64 64 64 64 64 64 64 64 64 64 64
9	S NH NH NH
10	H,C, H, O, H
11	
12	HANNO CH CHANNE
13	S S S S S S S S S S S S S S S S S S S
14 ·	

FIGURE 1B

Compd #	MOLSTRUCTURE	Compd #	MOLSTRUCTURE
15	HC 04 04 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	20	Pri NH OH NH
. 16	HC ON NH	21	He Sold I
17	OF NEW ONLY ONLY ONLY ONLY ONLY ONLY ONLY ONLY	22	Ha Co Si H Co L H Co L MA
18		23	
19			

FIGURE 1C

2-2

1 atm, MeOH, rt, 1 h, 94%

2-6

H₂, Pd/BaSO₄,

NMM, MeOH, H₂NOH•HCI

rt, 70 h, 85%

H₂, Pd/C, 45 psi, EtOH, HOAc, H₂O, 48 h, 90%

2-8

		10)		. 2	0			30			40			5	0		,	60
GTT	GTT	GGG	GGC	ACG	GAT	GCG	GAT	GAG	GGC	GAG	TGG	CCC	TGG	CAG	GTA	AGC	CTG	CATO	CT
CAA	.CAA	.ccc	CCG	TGC	CTA	.CGC	CTA	.CTC	CCG	CTC	ACC	GGG	ACC	GTC	CAT'	rcg	GAC	ATE	CGA
v	v	G	G	T	D	A	D	E	G	E	W	P	W	Q	v	s	L	Н	A>
		7	0			80			90			10	0		1	10		:	120
CTG	GGC	CAG	GGC	CAC	ATC	TGC	GGT	GCI	TCC	CTC	ATC	TCT	ccc	AAC	TGG	CTG	GTC	TCT	GCC
GAC	CCG	GTC	CCG	GTG	TAG	ACG	CCA	.CGA	AGG	GAG	TAG	AGA	GGG	TTG	ACC	GAC	CAG	AGA	CGG
L	G	Q	G	Н	I	С	G	A	s	L	I	s	P	N	W	L	V	S	A>
		13	0		1	40			150			16	0		1	70			180
GCA	CAC	TGC	TAC	ATC	GAT	'GAC	AGA	.GGA	TTC	AGG	TAC	TCA	GAC	:CCC	ACG	CAG	TGG	ACG	GCC
CGT	GTG	ACG	ATG	TAG	CTA	CTG	TCT	CCI	AAG	TCC	ATG	AGT	CTG	GGG	TGC	GTC	ACC	TGC	CGG
A	н	С	Y	I	D	D	R	G	F	R	Y	s	D	P	T	Q	W	T	A>
		19				00			210			22				30			240
																			CTC
AAG	GAC	CCG	AAC	GTG	CTG	GTC	TCG	GTC	:GCG	TCG	CGG	GGA	.ccc	CAC	GTC	CTC	:GCC		GAG
F	L	G	L	н	D	Q	s	Q	R	S	A	P	G	V	Q	E	R	R	L>
															_				
		25			_	60	•		270			28				90			300
																			CTG
TTC	GCG	TAG	TAG.	AGG	GTG	GGG	AAG											_	GAC
K	R	I	I	S	H	P	F	F	N	D	F	T	F	D	Y	D	I	A	L>
						,							_					`	760
		31			_	20			330			34				50			360
CTG				AAA	CCG	GCA	GAG	TAC	AGC	TCC	ATG	GTG	CGG	CCC	ATC	TGC	CTC	i CCG	GAC

FIGURE 3A

								-										
GCCT	CCC	TGT	CTT	ccc	TGC(CGG	CAAC	GGC	CATO	CTGC	GTC	ACC	GGC	TGG	GGA	.CAC	ACC	CAG
CGGAC	GG1	'ACA	GAA(GGG	ACG	GCC	GTT(CCG	OATE	BAC	CAC	TGC	CCG	ACC	CCT	GTG	TGG	GTC
A S	S #	v	F	P	· A	G	K	A	I	W	V	T	G	W	G	н	T	Q>
	4	30		4	140			450)		46	0		4	70			480
TATGO	GAGG	CAC'	rgg(CGCC	GCT	GAT	CTC	GCAI	AAA	GG1	GAG	ATC	CGC	GTC	ATC	AAC	CAG	ACC
ATACO	CTCC	GTG	ACCO	GCG	CGA	CTAC	GAG	CGT	TTT	CCZ	CTC	TAC	GCG	CAG	TAG	TTG	GTC	TGG
Y C	G	T	G	A	L	I	L	Q	K	G	E	I	R	V	I	N	Q	T>
	4	90		5	500			510)		52	0		5	30			540
ACCTO	CGA	GAA	CTC	CTC	3CCG	CAC	CAC	SATO	ACC	CCC	CGC	ATO	ATG	TGC	GTG	GGC	TTC	CTC
TGGAC	GCT	CTTC	GAG	GAC	GGC	GTO	GTO	TAC	TGC	GGC	:GCG	TAC	TAC	ACG	CAC	CCG	AAC	GAG
тС	E	N	L	L	P	Q	Q	I	T	₽	R	M	M	С	V	G	F	L>
		50																600
AGCGG	CGG	CGTG	GAC	TCC	TGC	CAG	GGT	GAT	TCC	GGG	GGA	icco	CTG	TCC	AGC	GTG	GAG	GCG
AGCGG TCGCC	CGG	CGTG	GAC	TCC	TGC	CAG	GGT	GAT	TCC	GGG	GGA	icco	CTG	TCC	AGC	GTG	GAG	GCG
	ccc	CAC	GAC CTG	TCC	TGC	CAG GTC	GGT	GAT CTA	TCC AGG	GGG GCCC	GGA	ccc	CTG	TCC	'AGC	GTG	GAC	GCG CGC
TCGCC	CGG(GCC(CGTG SCAC V	GAC CTG D	TCC AGG	TGC ACG	CAC GTC	GGT	CTA D	TCC AGG S	G G G	GGA	GGG P	CTG GAC L	TCC AGG S	AGC TCG S	GTG CAC V	GAG CTC E	GCG CGC
TCGCC S G	CGG GCC G	CGTG GCAC V	GAC CTG D	TCC AGG S	TGC ACG C	CAG GTC	GGT	CTA D	TCC AGG	G G	GGA CCT G	reee P	CTG GAC L	TCC AGG S	AGC TCG S	CAC V	GAG CTC	GCG CGC A>
TCGCC S G	CGG(GCC(G	CGTG V LO	GAC CTG D	AGG S CAG	ETGC ACG C 20	CAG GTC Q GGT	GTG	CTA D 630	TCC AGG S	eccc G	GGA G 64 GGA	GAC	CTG GAC L	TGC	AGC TCG S S GCT	CAC	GAG CTC E	GCG CGC A>
TCGCC S G	6: 6: 6: 6: 6: 6: 6:	CGTG V LO GATC CTAG	GAC CTG D	AGG S CAG	ETGC ACG C	CAG GTC Q GGT	GTG	CTA D 630	TCC AGG S	eccc G	GGA G 64 GGA	GAC	CTG GAC L	TGC	AGC TCG S S GCT	CAC	GAG CTC E	GCG CGC A> 660 AAC
TCGCC S G	CGG(GCC(G	CGTG V LO	GAC CTG D	AGG S CAG	ETGC ACG C	CAG GTC Q GGT	GTG	CTA D 630	TCC AGG S	eccc G	GGA G 64 GGA	GAC	CTG GAC L	TGC	AGC TCG S S GCT	CAC	GAG CTC E	GCG CGC A>
TCGCC S G	CGGG GCCC G 6: 6: 6: CGCCC R	CGTG V LO GATC	GAC CTG D	TCC AGG S 6 CAG GTC	TGC ACG C C C C C C C C C C C C C C C C C	CCAG	GGGT G GTG CAC	CTA D 630 GTG. CAC	TCC AGG S AGC TCG.	eccc G	GGA GGA GGA CCT G	P GAC CTG	CTG GAC L	TCC S S 6 TGC ACG	AGC TCG S 50 GCT CGA	CAC	GAG ECTC E AGG TCC R	GCGCGA>
TCGCC S G GATGGC CTACCC	CGGGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCG	V LO LTAG	CTG D TTC AAGG	TCC AGG S CAG GTC	ACG C 20 GCC CGG	GGTC GGTC GGT CCA	GGGT G G GTG CAC	CGAT D 630 GTG CAC	AGG S AGC TCG	eggg G G TGG ACC	GGGA GGGA GGGA CCT G	P OGAC CTG	GGAC L GGGC GGC G	ETCC PAGG S	S S S S GCT CGA A	CAC V CAG CAG GTC	EGAG E E AGG TCC	GCGC A> 660 AAC TTG N>
TCGCC S G	CGGGGGGCGGCGGGGGGGGGGGGGGGGGGGGGGGGGGG	V LO SATC	GAC CTG D TTC AAG	ACA	ACG	GGTC GGTC GGTC GGTC GGTC GGTC GGTC GGTC	GGGT GGGTG GTG CAC	CGAT D 630 GTG. V	AGG S AGC TCG. S	TGG	GGA GGA GGA CCT G	P O GAC TGG	GAC L GGC GGC G	TCC AGG S 6 TGC ACG C	S 50 GCT CGA A 10 GAG	CAC V CAG GTC	GAGG EAGGG TCCC R	GCGC A> 660 AAC TTG N> 720 GGG

0

FIGURE 3B

CATATC

V *>

FIGURE 4A

Compound Structure	
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.

В

C

D

E

F

G

FIGURE 5A

Compound	Structure
н	HO NH ₂
i	HO N N NH12
J	HN NH ₂
K	HO NOTE NOTE NOTE NOTE NOTE NOTE NOTE NOT
L	HC CH ₃ HN NH ₂ HN NH ₂ HN NH ₂
M	HO HO NOT THE NAME OF THE NAME

FIGURE 5B